



**CERTIFIED ENVIRONMENTAL TECHNOLOGY  
TECHNOLOGY TRANSFER ADVISORY**

**U.S Department of Navy Space and Naval Warfare Systems  
Center**

**Benthic Flux Sampling Device**

**Issued To:**

Space and Naval Warfare  
Systems Center  
53560 Hull Street  
San Diego, California 92512

**Contact:**

Tom Hampton  
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**Certification No:**

00-01-033

**Effective Date:**

November 18, 2000

**Expiration Date:**

November 18, 2003

**DTSC Contact:**

Technology Development Branch  
(916) 322-3670

**Technology Description:**

The technology is certified as an automated, in-situ water sampling device designed to collect data for quantifying the flux of trace metals, including arsenic, cadmium, copper, nickel, lead, and zinc across the sediment-water interface in marine and aquatic environments. The BFSD collects and filters discrete water samples periodically over a deployment period of up to four days, which are then preserved at the end of the deployment and delivered to an analytical laboratory for analysis. The technology provides a means to assess contaminant mobility by directly measuring and quantifying the contaminant flux across the sediment-water interface.

A copy of the published Certification Statement may be obtained by contacting the Department of Toxic Substances Control at (916) 322-3670 or on the Internet at [http://www.dtsc.ca.gov/ScienceTechnology/TechCert\\_index.html](http://www.dtsc.ca.gov/ScienceTechnology/TechCert_index.html).